WEST Search History

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DATE: Monday, June 06, 2005

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR	
☐	L6	((partial$4 or portion or segment or section) near5 descriptor) with ((single or one) near3 frame) with (insert or inserting or insertion or add or addition or adding or store or srotage or storing)	1
☐	L5	((partial$4 or portion or segment or section) near5 descriptor) with ((single or one) near3 frame) with (inser$7 or add$7 or stor$4)	3
☐	L4	((partial$4 or portion or segment or section) near5 descriptor) with ((single or one) near2 classic near2 frame)	0
☐	L3	((partial$4 or portion or segment or section) near5 descriptor) with ((single or one) near3 frame)	26
☐	L2	((partial$4 or portion or segment or section) near5 (transaction near2 descriptor)) same ((single or one) near3 frame)	0
☐	L1	((partial$4 or portion or segment or section) near5 descriptor) same ((single or one) near3 frame)	44

END OF SEARCH HISTORY

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L6: Entry 1 of 1   File: USPT   Nov 3, 1987

DOCUMENT-IDENTIFIER: US 4704717 A
TITLE: Receive message processor for a solicited message packet transfer system

Parent Case Text (19):
i. one or more frame descriptor locations for storing the first sub-portions of the
header portions of received message packets, and for storing the second sub-
portions of the header portions of received solicited message packets (and in some
forms, second sub-portions of the header portions, if any, of received unsolicited
message packets,

Parent Case Text (24):
The controller is coupled to the receiving network and the memory. The controller
is sequentially operative for a received message packet for storing the first and
second sub-portions of the header portion of the packet at one of the frame
descriptor locations, and then for decoding the first sub-portion stored at the
frame descriptor location, to determine if the stored first sub-portion is
indicative of a solicited message packet or an unsolicited message packet.

CLAIMS:

1. In a solicitor data processor of a solicited message packet transfer system, the
improvement comprising:

a receive message processor for processing received solicited message packets and
received unsolicited message packets, said solicited and unsolicited message
packets each having a predetermined header portion, said solicited message packet
header portion including a first header sub-portion indicative of a solicited
message packet and a second header sub-portion indicative of a memory location in
the memory of said solicitor data processor, and said unsolicited message packets
including a first header sub-portion indicative of an unsolicited message packet,
said receive message processor including:

A. means for receiving message packets from a communications path of said system,

B. means for allocating portions of the memory of said solicitor data processor to
establish:

i. one or more frame descriptor locations for storing said first sub-portions of
the header portions of received solicited and unsolicited message packets, and for
storing said second sub-portion of the header portions of received solicited
message packets

ii. one or more unsolicited message locations for storing data portions of received
unsolicited message packets,

iii. one or more solicited message locations for storing data portions of received
solicited message packets,

iv. one or more solicited buffer descriptor locations for storing address signals representative of the address in said memory of said solicited message locations,

C. means for indicating whether a received message packet is an unsolicited or solicited message packet,

D. a controller coupled to said receiving means and said memory, and including means sequentially operative for a received message packet:

i. for storing said first and second sub-portions of the header portion of said packet at one of said frame descriptor locations,

ii. for decoding said first sub-portion stored at said frame descriptor location, to determine if said stored first sub-portion is indicative of a solicited message packet or an unsolicited message packet,

iii. when said stored, decoded first sub-portion is representative of an unsolicited message packet:

a. for setting said indicating means to be indicative of a received unsolicited message packet, and

b. storing the data portion of said received message packet at ones of said unsolicited message locations,

iv. when said stored decoded first sub-portion is representative of a solicited message packet:

a. for setting said indicating means to be indicative of a received solicited message packet,

b. for decoding said stored second sub-portion and identifying therefrom an associated one of said solicited buffer descriptor locations,

c. determining the address for the solicited message location stored at said identified solicited buffer descriptor location, and

d. storing the data portion of said received message packet at the solicited message location defined by said determined address,

v. following said data packet storage, for re-setting said indicating means and awaiting the next received data packet from said receiving means.

2. A receive message processor according to claim 1 wherein said header portion of said unsolicited message packets further includes a second header sub-portion, and wherein said allocating means includes for allocating the memory of said solicitor data processor to establish one or more frame descriptor locations for storing said second sub-portions of received unsolicited message packets.